Claims 1-11 (Canceled)

12. (0riginal) Means for cooling a heated surface comprising an enclosure, an array of microelectrodes positioned on said heated surface, said array including means for accepting electrical charges of opposite polarities on adjacent microelectrodes, said array having a first end and a second end, a volatile liquid, reservoir means for receiving, holding and dispensing said volatile liquid, flow restricting means in the form of a slit formed between two substantially parallel surfaces for allowing limited flow between said reservoir and said array first end, one of said substantially parallel surfaces having positioned thereon a portion of the first end of said array whereby liquid is delivered to and distributed over the heated surface by the array and evaporated to a vapor thereby cooling said heated surface, condenser means for receiving and condensing to a liquid vapor formed by the evaporation of said liquid on the heated surface, baffle means substantially coextensive with said array for directing said vapor toward said condenser means and means for conveying said condensed liquid back to said reservoir means.

13. (Original) Means for cooling a heated surface as recited in claim 12 where said condenser means is integral with the enclosure.

Claims 14-16 (Canceled)

17. (Currently amended) Means for cooling a heated surface as recited in claim 12, further providing that the microelectrodes are positioned in a radial array having a more closely spaced first end and a less ~~closed~~ closely spaced second end.

Claims 18-22 (Canceled)